



Structural Coverage Challenges

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Purpose

- Discuss Structural Coverage Challenges
 - I will throw out a few to get the discussion primed
- Collect Structural Coverage Issues requiring further “attention” from FAA/NASA
- Success = I talk little and listen much
 - i.e., you all talk a lot
- I need a volunteer to scribe

Challenges / Issues

- Structural Coverage vs Structural Testing
- Coverage Analysis Target
 - Model/Specification vs Source Code vs Object Code
- MCDC
 - Right Criterion, or in need of Replacement?
 - Alternatives
 - Different Interpretations
 - Different Criteria
- Proper Handling of Short-Circuit (Lazy Evaluation) Boolean Operators
- Others?